

ABSTRACT

A prepolymer is a reaction product of a compound A and a compound B, in which the compounds A and B each have two or more functional groups or sets of functional groups in one molecule and are capable of undergoing polymerization as a result of binding of the functional groups or sets of functional groups of one compound with the functional groups or sets of functional groups of the other compound to thereby form a high-molecular-weight polymer with a porous structure. The prepolymer has a weight-average molecular weight of about 200 to about 100000. The functional groups or sets of functional groups of the compound A are preferably each a carboxyl group or an amino group, and the functional groups or sets of functional groups of the compound B are preferably two amino groups, an amino group and a hydroxyl group, an amino group and a mercapto group, or two carboxyl groups.